

MODEL .2500IAS INTELLIGENT ACTUATOR SYSTEM

The PAS Model .2500IAS Intelligent Actuator System is a high tonnage, precision, true closed-loop heatstaking machine designed for production runs of medium to large sized parts.

Heatstaking, thermal insertion, swaging, de-gating, date-coding, sealing, and serializing all make use of direct contact heated tools. Also precisely controlled time, temperature, and pressure are used to reform plastic studs, walls, protrusions, and or to embed metal components into plastic. This offers the ability to perform multiple operations on several planes simultaneously. Cycle times are relatively quick, and productivity can be increased through the assembly of multiple products simultaneously. After the thermal process, cosmetics are so exceptional that the processes appear to be an extension of the molding process. Spin welding is a rapid process that works well with large and small diameter parts, as well as a broad range of thermoplastic resins.

STANDARD FEATURES

- Microprocessor based system controls
- System part cycle counter
- Preheat function designed for insertion
- Rapid advance feed (adjustable)
- Linear compensating fine feed (adjustable)
- Hardened guide rods
- Die set bearing for superior accuracy
- Pneumatic slide table with hardened guide shafts
- Powder coated steel table with casters
- Guarding with electronically interlocked easy-access doors
- Zero-force "Opto" style situation switches
- Quick tooling change over
- Lock out / tag out system dump
- PID based temperature controllers integrated
- Operating manual
- 6" of available stroke
- Pressure regulator / filter
- Post cooling
- 2 year warranty



OPTIONS AVAILABLE

- Adjustable leveling base
- Light curtain actuation
- Pneumatic part clamping
- Larger frame sizes available
- Vision system part detection
- Automation remote actuation cables
- Analog pressure regulator
- Part presence detection
- Manual part clamping
- Auto part eject station

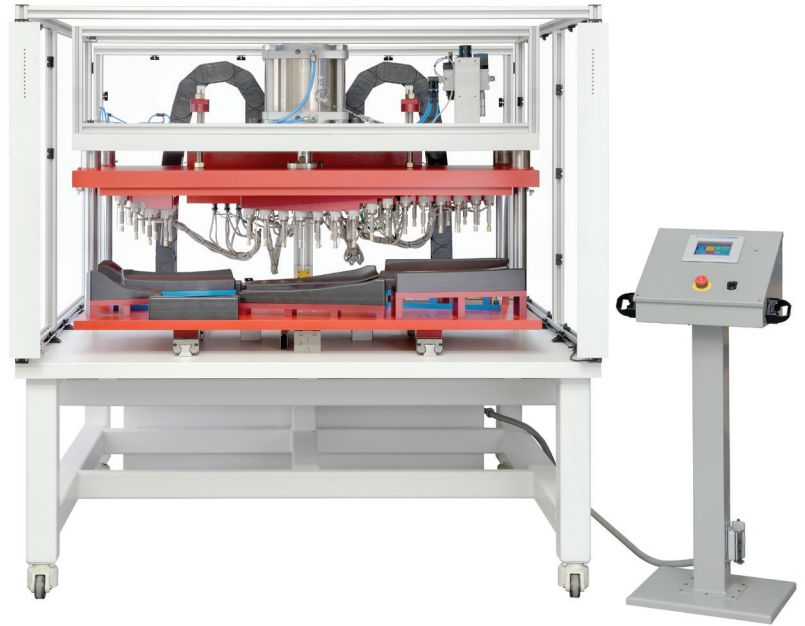
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SPECIFICATIONS

- **Nominal Pressure:** 1.5 - 10 tons
- **Power Req. :** 208 VAC, 1 phase, 20A
- **Pneumatic Req. :** Clean, dry air at 100 psi / 7 bar

DIMENSIONS

- **Overall dimensions:** 80 x 60 x 85
- **Stroke** 8.00 inches
- **Throat width:** 19 inches
- **Weight:** 1000 lbs



SYSTEM CONTROLS

- Overall cycle time monitors exactly how long it takes to make a complete part from initial start to head retracted.
- Over process control alerts operator when the system takes too long to make a completed assembly.
- Over distance control alerts operator to excess travel of machine head.
- In-temperature feature checks system prior to every cycle to assure proper operating temperature and can be adjusted in 1 degree increments above and below temperature set point.
- True system dwell time and post cooling time destroy part memory and assure a tight assembly.
- Machine setup menu allows operator to change the operating mode of the system. Slide tables, post cooling, part clamping, and part presence detecting can be turned on or off by a simple press of a button.
- Multiple job storage allows you to store operating parameters for fast, easy machine setup.
- Multiple cycle counters, machine overall cycle counter and re-settable day counter.
- Multi-zone temperature control capable up to twelve zones standard, can be monitored and changed remotely via ethernet module.